PYRAMID SOLUTIONS

BridgeWay Ethernet to DeviceNet Gateway (AB7603)

The BridgeWay Ethernet to DeviceNet Gateway seamlessly connects EtherNet/IP Scanner and Modbus/TCP Master PLCs and HMIs to a DeviceNet Network. The AB7603 provides full DeviceNet Master (or Slave) functionality allowing connectivity to 63 DeviceNet slave devices.

In addition to industrial automation protocols, the AB7603 supports IT protocols such as SMTP, FTP, and HTTP. It provides an internal web server to allow remote viewing of status and data via a web browser and offers email and file transfer capabilities to enhance your application.

Use Case Examples

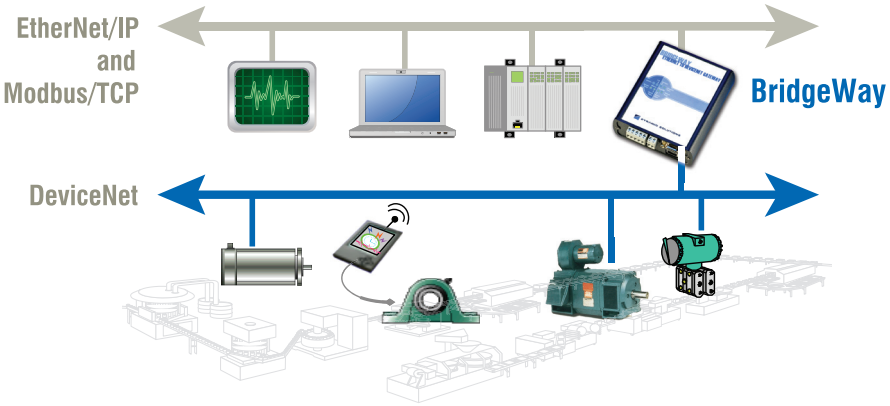
The AB7603 can be used as a gateway to connect information or control level networks to device level networks:

- Ror remote programming or configuration on your DeviceNet networks
- Used with a DCS, PLC or HMI, to control or perform data collection on a DeviceNet network via EtherNet/IP or Modbus/TCP

Key Benefits

- Enables connectivity to existing or new DeviceNet networks to devices that support only EtherNet/IP or Modbus/TCP on Ethernet
- Feature-rich, cost-effective solution
- Replaces higher cost computer gateways and PLC scanners
- Rapid installation and configuration
- Low risk, reliable operation, field proven
- Superior product support

BridgeWay network gateways and interfaces provide low cost, high performance, flexible connectivity solutions for a wide range of applications, including industrial automation and vehicle networks. Designed as a modular platform with configurable hardware and software, BridgeWay products can be adapted to meet your specific needs.



Key Features

- Operates as an EtherNet/IP Adapter and Modbus/TCP Slave
- Provides DeviceNet Master or Slave functionality on DeviceNet
- Provides router / bridge functionality to connect EtherNet/IP to DeviceNet (CIP Routing)
- Rockwell Software's RSNetworx™ for DeviceNet or NetTool-DN-D is required to configure the DeviceNet Master scanlist
- Supports Automatic Device Replacement (ADR) functionality (now 128k; was 64k prior to version 2.01 firmware)
- Supports Configuration Consistency Value (CCV) functionality
- Supports DeviceNet Quick Connect client functionality
- Supports configurable input safe state behavior
- Works with ControlLogix, CompactLogix, SLC5/05, MicroLogix and other compatible PLCs, HMIs and Controllers that support native EtherNet/IP/CIP messaging and connections
- Supports FLASH field upgrades
- Compatible with most Modbus/TCP Master devices
- Provides LED network and module status indicators
- Includes DIN rail mount
- Rugged extruded aluminum enclosure
- Brand label / OEM options

Target Industries and Application Examples

- Industrial Automation
- Motor Control Centers (MCC)
- Water and Waste Water
- Pulp and Paper
- Packaging and Material Handling
- Remote DeviceNet Monitoring, Control, Bridging

Specifications for Part No. AB7603

- Dimensions: L = 4.96" (126 mm); W = 4.30" (109 mm); H = 1.65" (42mm)
- Operating voltage: 11 – 32 VDC
- Operating temperature: 0 - 70° C
- EMC compliance: EN50081-2 and EN50082-2
- Certifications: CE and cULus
- Mechanical rating: IP20 / NEMA 1

Optional Accessories

AB7603 Configuration Kit (Part No. AB7603-CFG)

The kit contains the following materials:

- 3 meter 9 to 9 pin serial cable used to configure the module with our BWConfig software
- Mini CD contains the latest version of AB7603 user manual, BWConfig software, application notes, EDS file

Please visit our web site to get the very latest firmware updates for Ethernet to DeviceNet Gateway (AB7603)

Get up and running with BridgeWay Services

Need help designing a network solution? Configuring or integrating your BridgeWay? We offer consulting, development and system integration services, including custom software development, to help you achieve your specific application requirements.

Flexible BridgeWay gateways and interfaces offer a significant range of functionality and are used in a wide range of applications. Businesses that want to make the most of these capabilities, or even expand on them, can take advantage of our *professional services* expertise, especially when schedules are tight or custom functionality is required. We can create a solution package based on your specific needs, ranging from remote hourly support, to onsite services or turnkey custom development. BridgeWay services include:

- BridgeWay solution network design, installation and configuration a sistance
- BridgeWay and network training
- Remote support/consulting services (scheduled hourly services via phone or email)
- Onsite services (fixed price or hourly)
- Custom BridgeWay enhancements and PC software applications

Contact us.
For more information, please contact:

Glenn Beal: +1 248 549 1200 x231
gbeal@pyramidsolutions.com